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CLAIMS

1. A drum shredder	for reducing	material comprising
a housing;		

a tapered cutting drum rotatably mounted within the housing;

at least one cutting implement disposed about an outer surface of the cutting drum to provide a compound cutting angle;

an anvil adjacent to the cutting drum; and a drive connected to the drum.

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- 2. The drum shredder of claim 1, wherein the anvil cooperates with the cutting drum to provide an acute cutting angle.
- 3. The drum shredder of claim 1, wherein the cutting drum has two ends and a middle section, the cutting drum being tapered toward the middle section to form two regions, each region having at least one cutting implement.
 - 4. The drum shredder of claim 3, wherein the drum shredder further comprises:
- a bellyband, the bellyband being adapted to accommodate at least two major discharge streams, each discharge stream having a different major discharge direction;
- a transition in communication with the bellyband, the transition being adapted to accommodate at least two major discharge streams from the bellyband, each discharge stream having a different major discharge direction; and
 - a discharge port in communication with the transition.

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- 5. The drum shredder of claim 1, wherein the cutting drum is tapered toward both ends.
 - 6. The drum shredder of claim 5, wherein the drum shredder further comprises:

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a belly band, the bellyband being adapted to accommodate at least two major discharge streams, each discharge stream having a different major discharge direction;

a transition in communication with the bellyband, the transition being adapted to accommodate at least two major discharge streams from the bellyband, each discharge stream having a different major discharge direction; and

a discharge port in communication with the transition.

7. The drum shredder of claim 5, wherein the transition conforms to the cutting drum and has an extended void space.

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- 8. The drum shredder of claim 5, wherein the bellyband ends at about 90 degrees to about 135 degrees away from the chipping point.
- 9. The drum shredder of claim 1, wherein each cutting implement has a pocket for carrying reduced material associated with it, each pocket being disposed in the surface of the cutting drum.

10. A drum shredder comprising:

a housing;

at least one cutting drum rotatably supported in the housing;

at least one cutting implement supported by the cutting drum;

a bellyband, the bellyband being adapted to accommodate at least two major discharge streams, each discharge stream having a different major discharge direction;

a transition in communication with the bellyband, the transition being adapted to accommodate at least two major discharge streams from the bellyband, each discharge stream having a different major discharge direction; and

a discharge port in communication with the transition.

11. The drum shredder of claim 10, wherein the transition has a non-linear rear 30 wall

- 12. The drum shredder of claim 10, wherein the transition has a multi-sided rear wall.
- 5 13. The drum shredder of claim 10, wherein the transition has a substantially 'v-shaped' or substantially inverted 'v-shaped' wall.
 - 14. The drum shredder of claim 10, wherein the transition has a semi-circular wall.
- 10 15. The drum shredder of claim 10, wherein the transition has at least 5 sides.
 - 16. The drum shredder of claim 10, wherein the bellyband has a substantially 'v-shaped' or substantially inverted 'v-shaped' wall.
 - 17. The drum shredder of claim 10, wherein the transition provides an extended void where the transition opens from the bellyband.
 - 18. The drum shredder of claim 10, wherein the cutting drum is tapered.
 - 19. The drum shredder of claim 18, wherein each cutting implement has a pocket for carrying reduced material associated with it, each pocket being disposed in the surface of the cutting drum.
- 20. The drum shredder of claim 19, wherein the shape of the bellyband conformswith the cutting drum.